

2020 ANNUAL REPORT

Deaths related to opioids and other drugs

St. Joseph

This report is in memory of those who lost their life or a loved one to substance use. These losses must motivate us all to prevent future deaths.

A few notes...

: Purpose:

- : This data was collected by the **Office of the Medical Examiner in the Department of Pathology at WMed**. Unless otherwise noted, data is from 2020 and includes deaths where drugs were the immediate cause of death. This report is meant to provide up to date statistics to those involved in efforts to reduce the number of drug-related deaths.

- : **Sections with the following headings are approximations and frequencies may be higher than what is reported:**

- : Health Factors, Mental Health Factors, Social Factors, Children and Substance Use History.

: Sources:

- : All data was extracted from a Medical Examiner database, law enforcement (LE) and EMS reports, death certificates, obituaries, Swift Toxicology of Overdose-Related Mortalities (STORM) results, medical records, toxicology reports, MDHHS reports, and autopsy reports.

Please email Chloe Bielby for additional information or to set up a time to discuss your county's report: chloe.bielby@med.wmich.edu

Deaths Related to Opioids and Other Drugs

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All Drug-Related Deaths

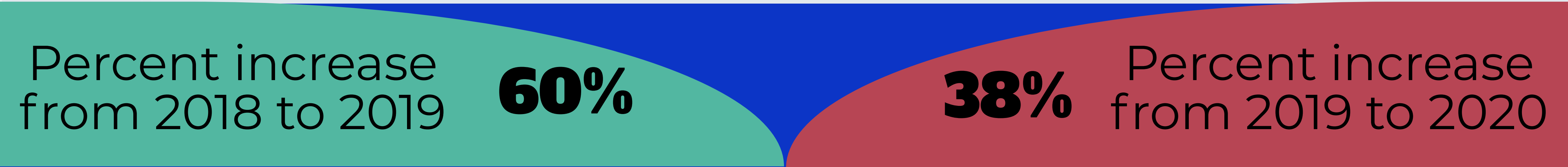
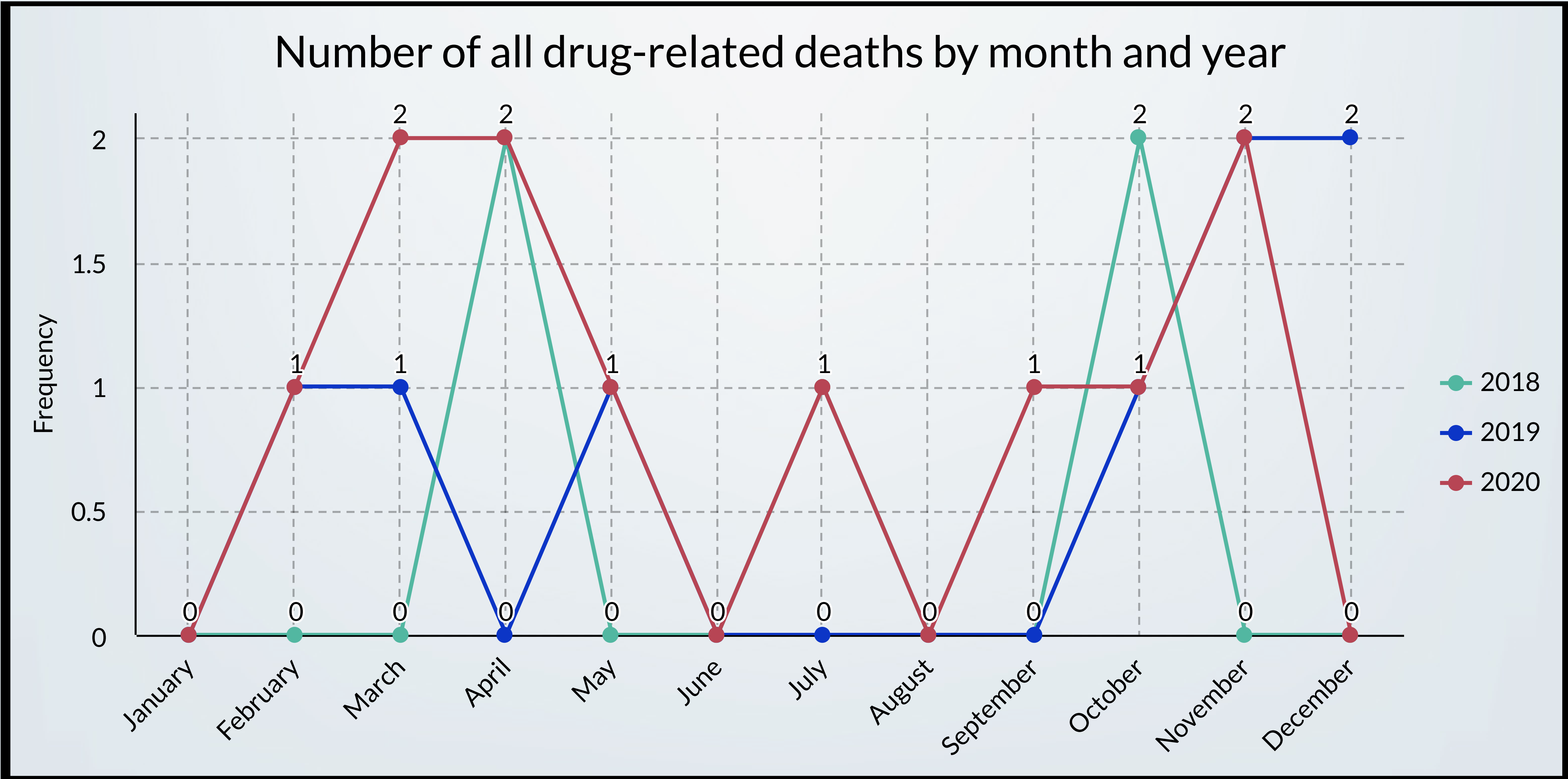
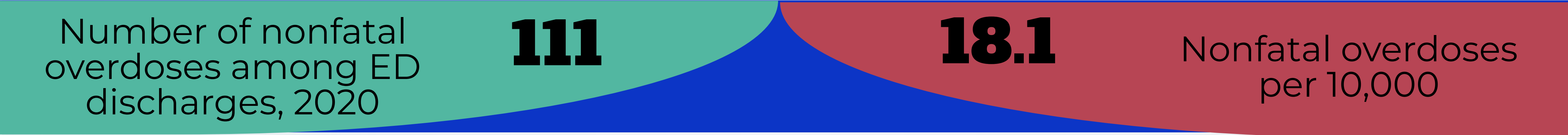
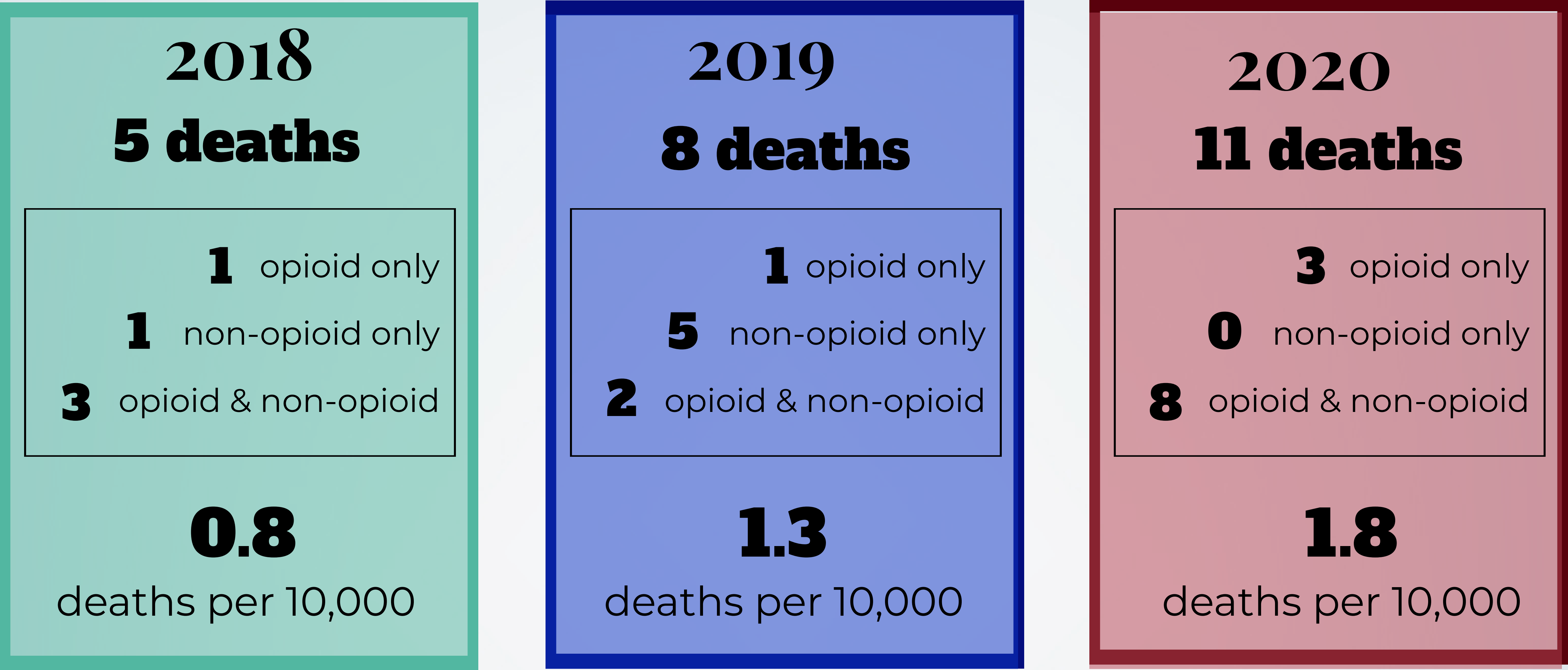
Age	Race	Sex	Death Certificate: Substances Contributing to Death	Injury Zip Code
22	W	M	Pt. I: Fentanyl	49093
23	W	M	Pt. I: Fentanyl, flubromazolam, etizolam	49042
29	W	M	Pt. I: Fentanyl, acetyl-fentanyl, heroin, methamphetamine	49091
33	W	M	Pt. I: Methamphetamine, fentanyl	49042
34	W	M	Pt. I: Methamphetamine, fentanyl	49093
37	W	F	Pt. I: Tramadol, alprazolam	49091
39	B	M	Pt. I: Methamphetamine, fentanyl	49093
39	W	M	Pt. I: Fentanyl	49030
43	W	M	<i>Pt. II: Amphetamine, methamphetamine*</i>	49042
44	W	F	Pt. I: Fentanyl, acetyl-fentanyl, heroin	49091
53	W	M	Pt. I: Fentanyl, heroin, methamphetamine, diazepam	49091
63	W	M	Pt. I: Fentanyl, heroin, methamphetamine	49091

* Case is not included in the following report

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St. Joseph

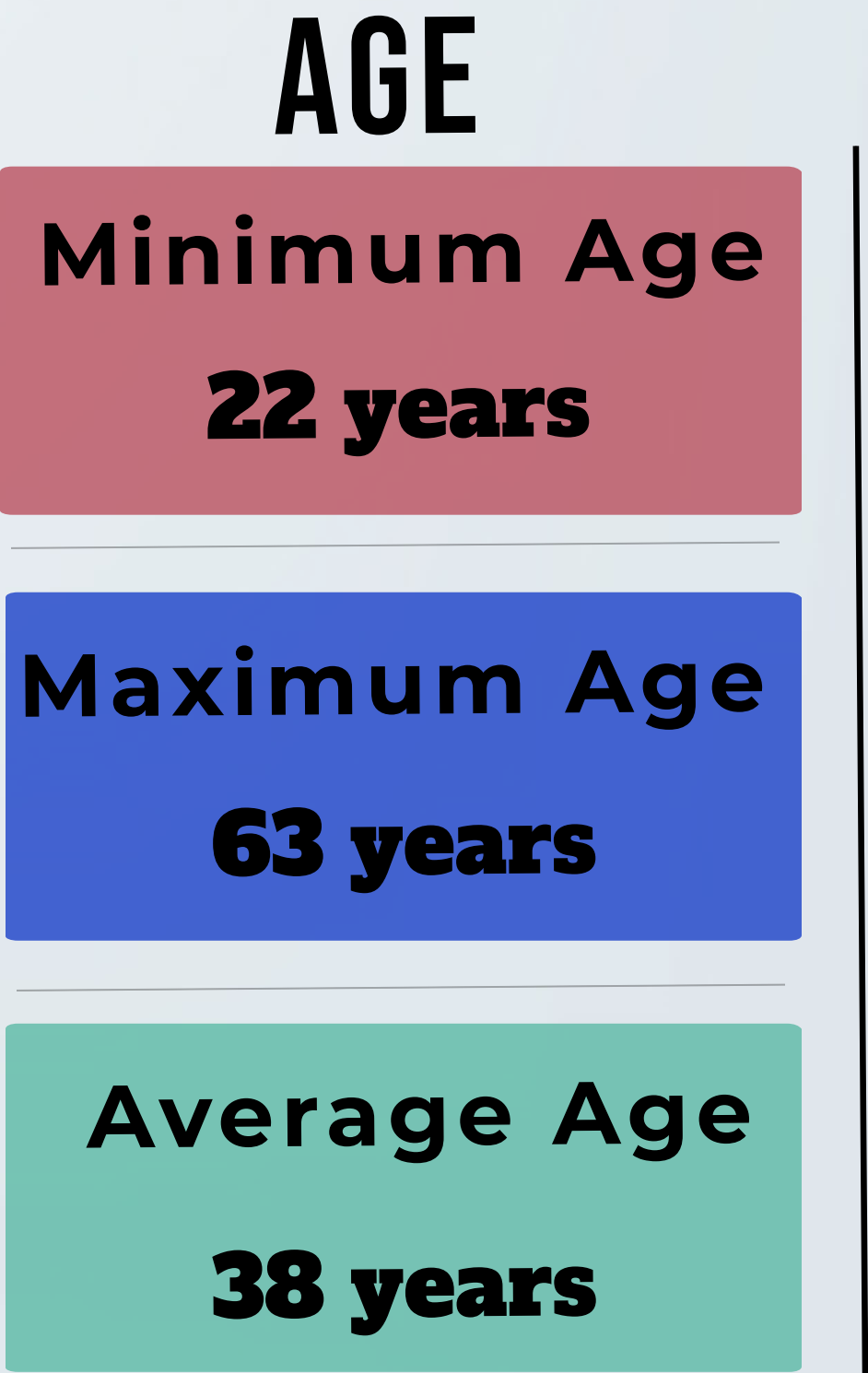
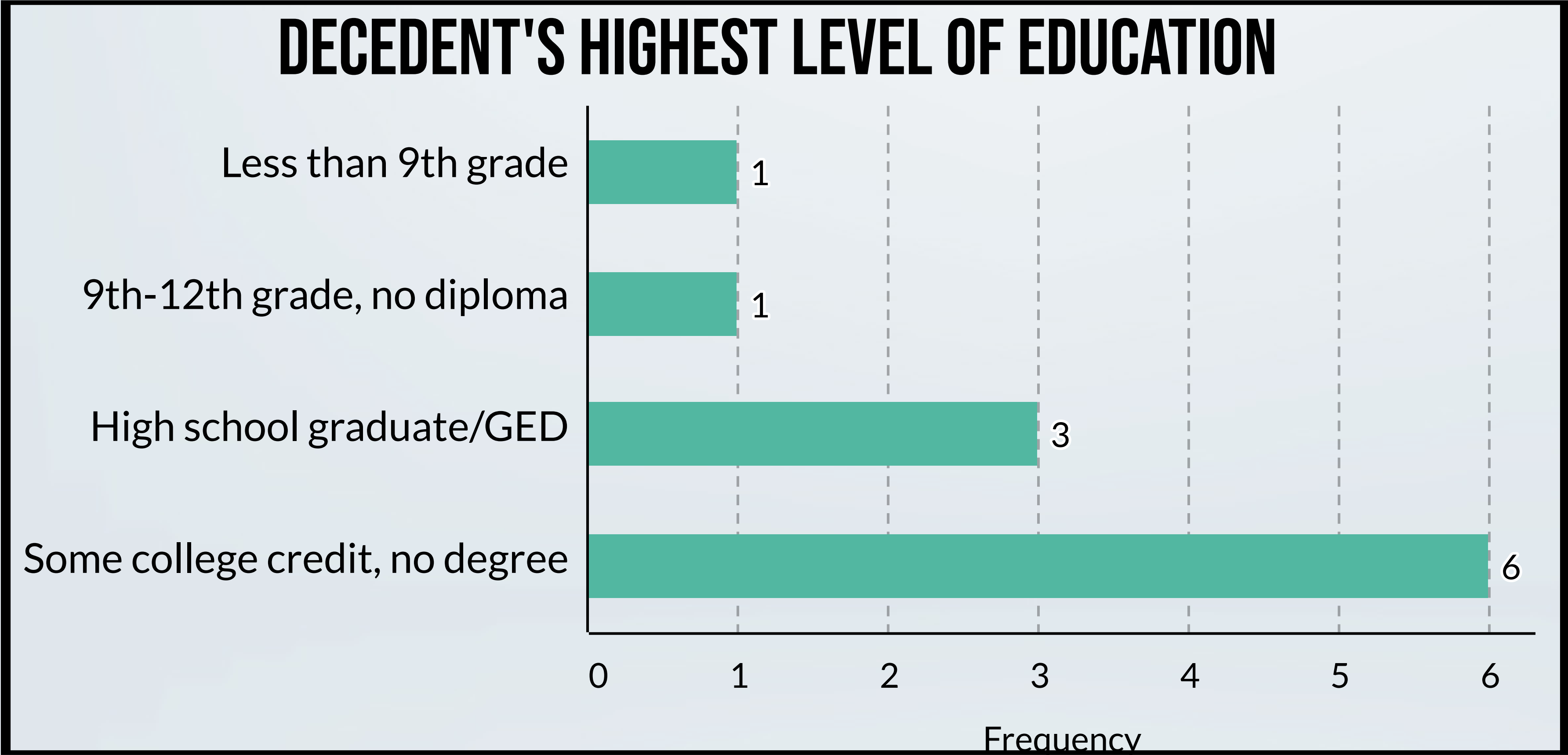
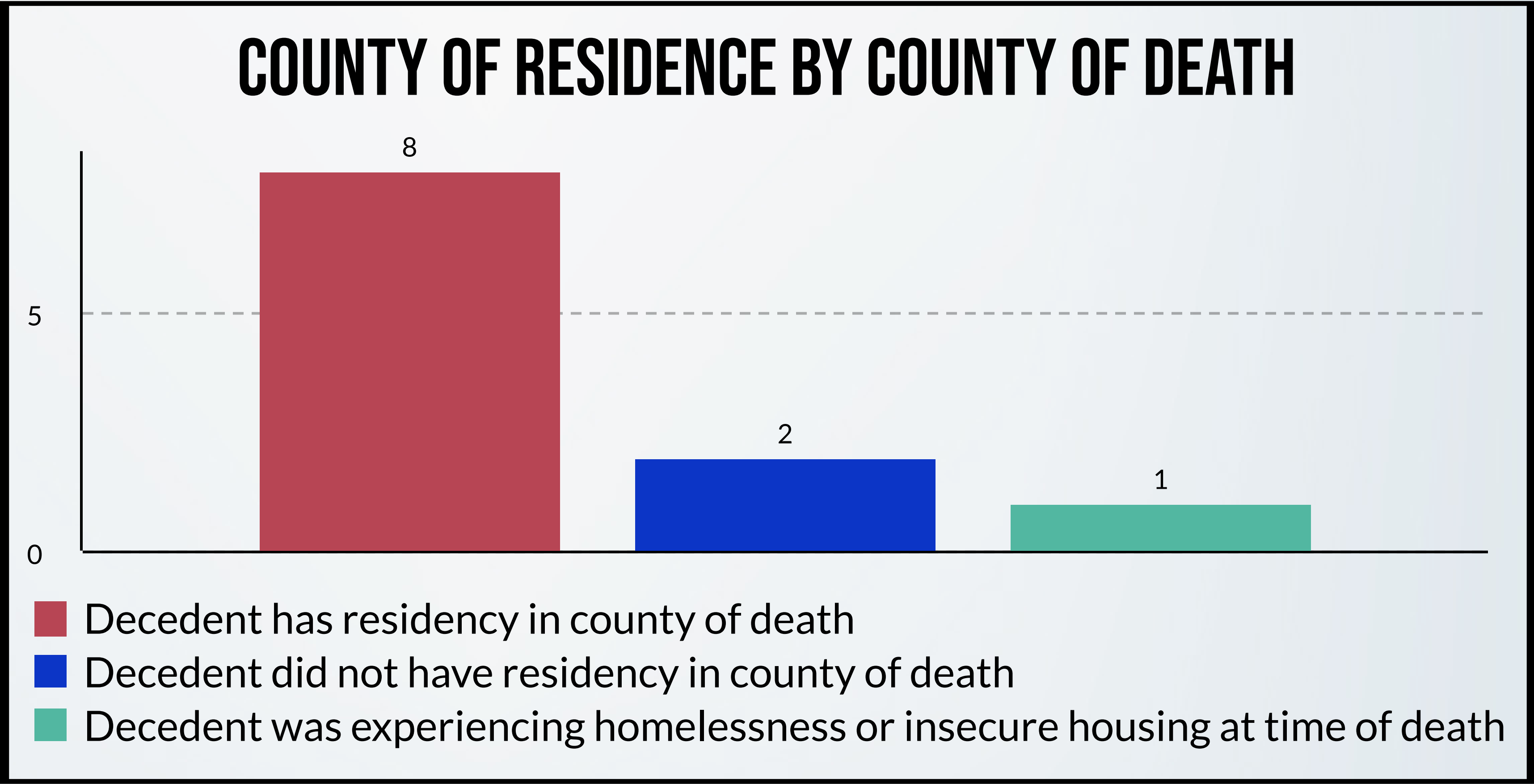
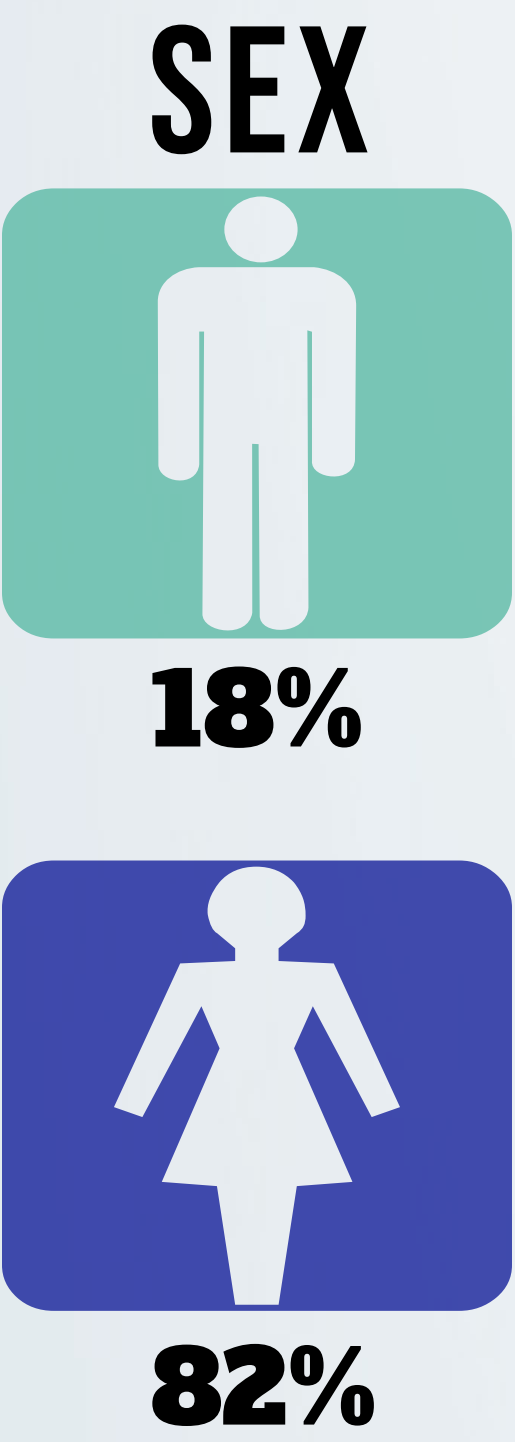
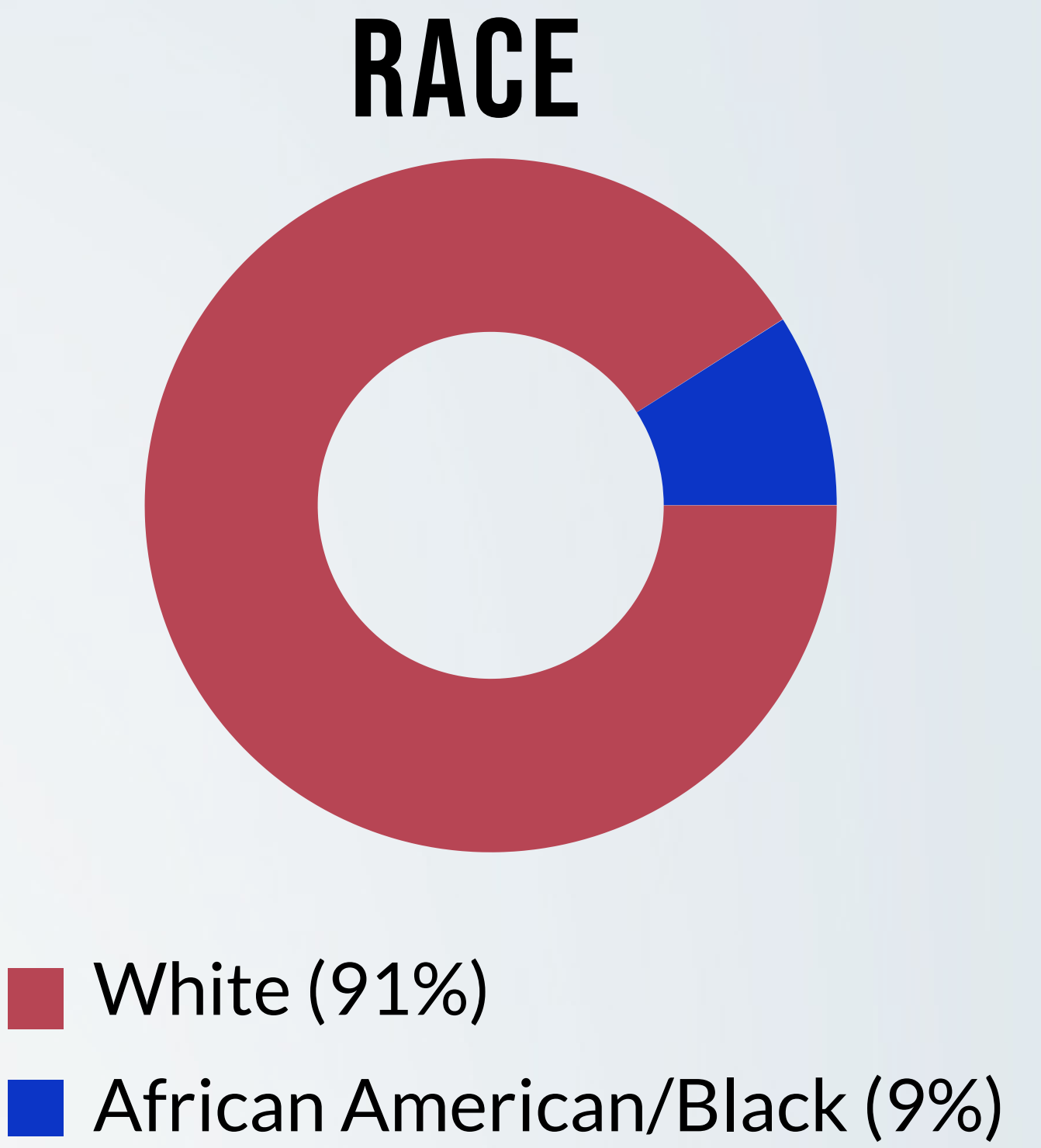
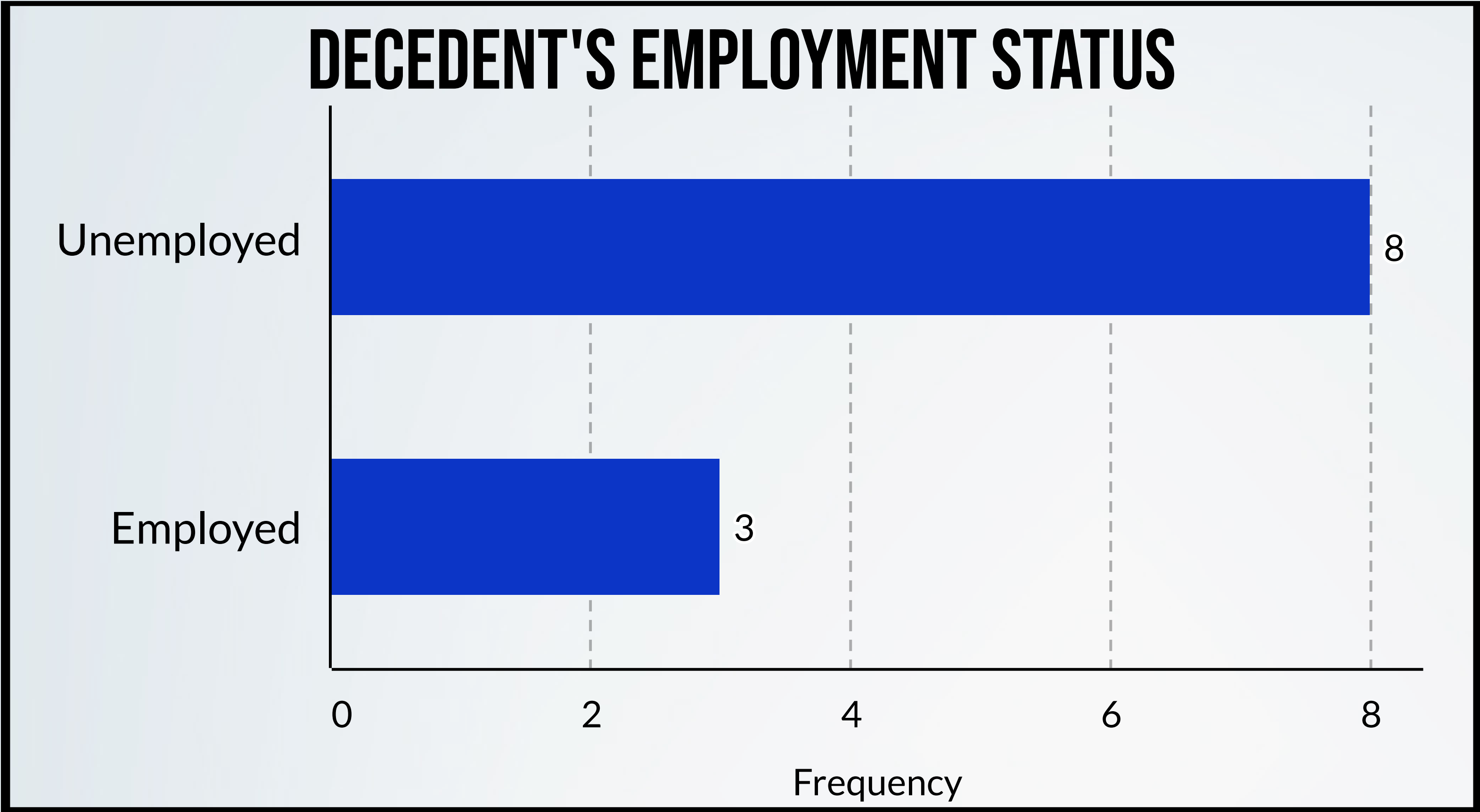
Total deaths due to drugs: 2018, 2019, 2020



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Demographics



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Health Factors

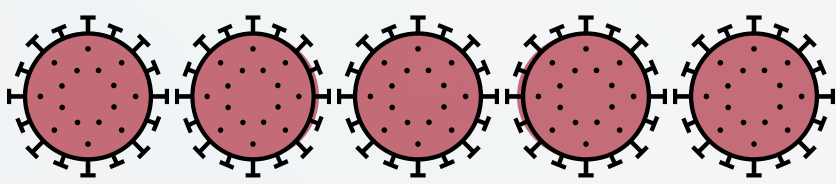
MOST PREVALENT AILMENTS*

Chronic pain (18%)

Diabetes (18%)

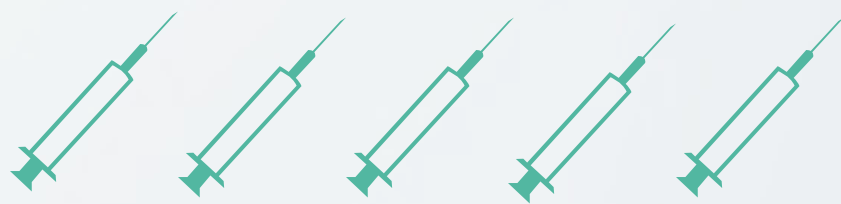
Heart** (9%)

*Decedents may be represented in more than one category. Only illnesses with official diagnosis are included.
**Heart includes MI, CABH, CAD, AFib, ACD, and heart failure



At least 4 decedents were **Hepatitis C** positive

All 4 of these decedents were known to use **substances intravenously**



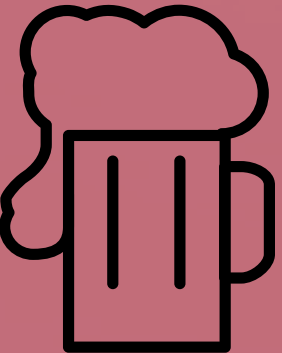
Decedent used tobacco

82%+



Decedent drank alcohol

73%+

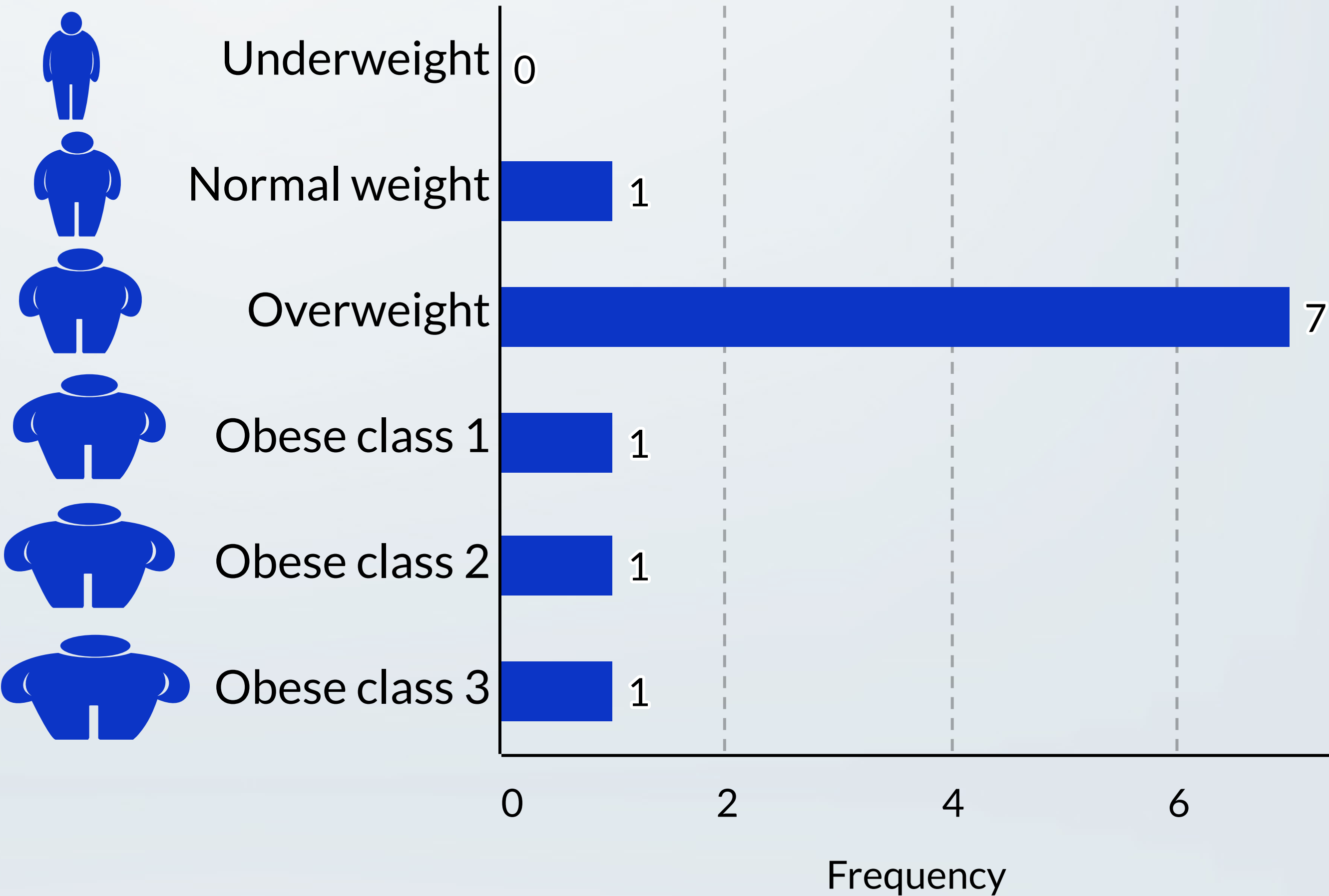


Decedent had a PCP

27%



BODY MASS INDEX (BMI)



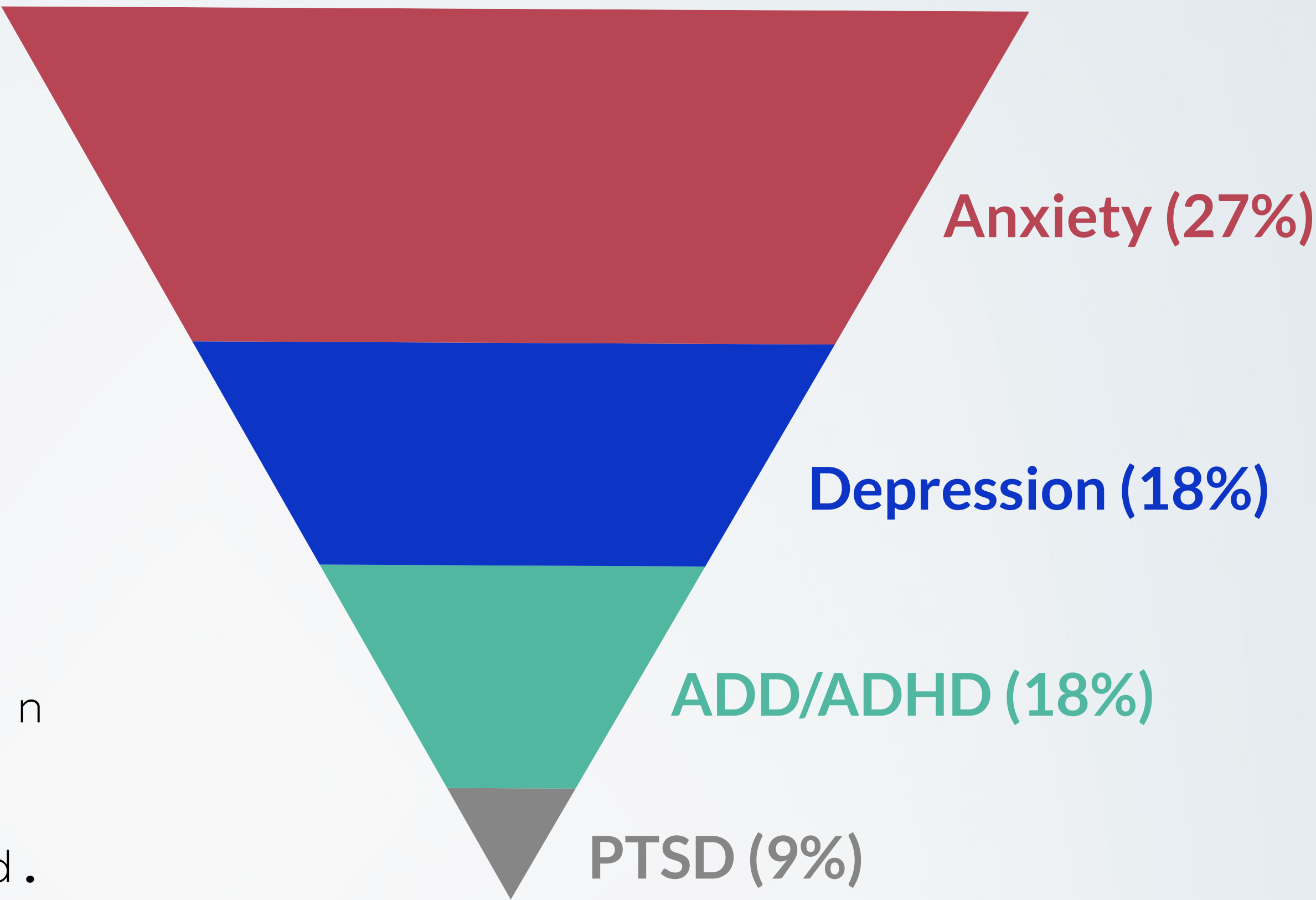
Deaths Related to Opioids and Other Drugs

St. Joseph

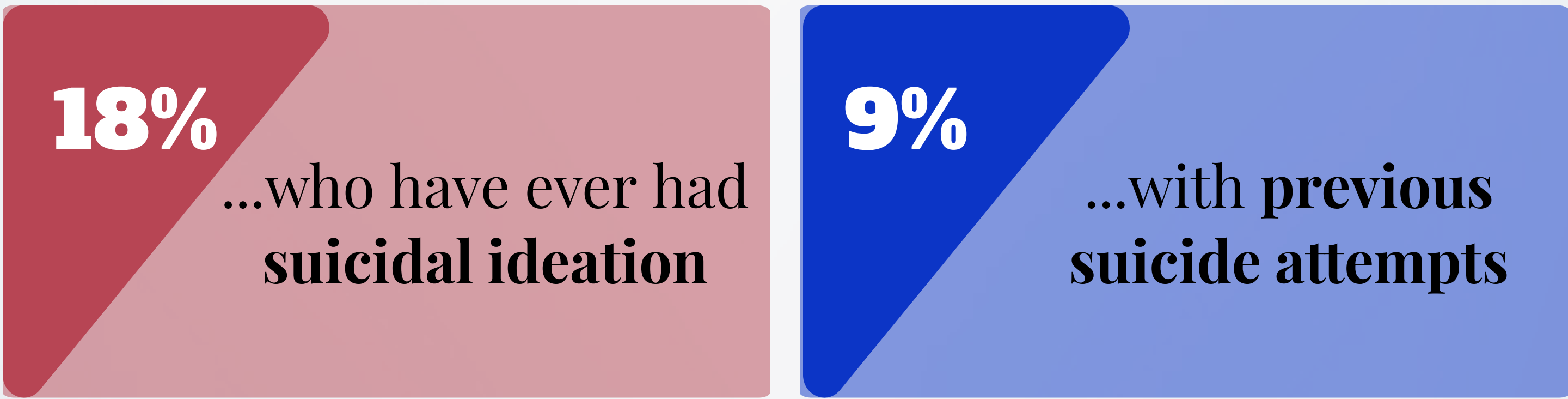
Mental Health Factors

MOST
PREVALENT
MENTAL ILLNESSES*

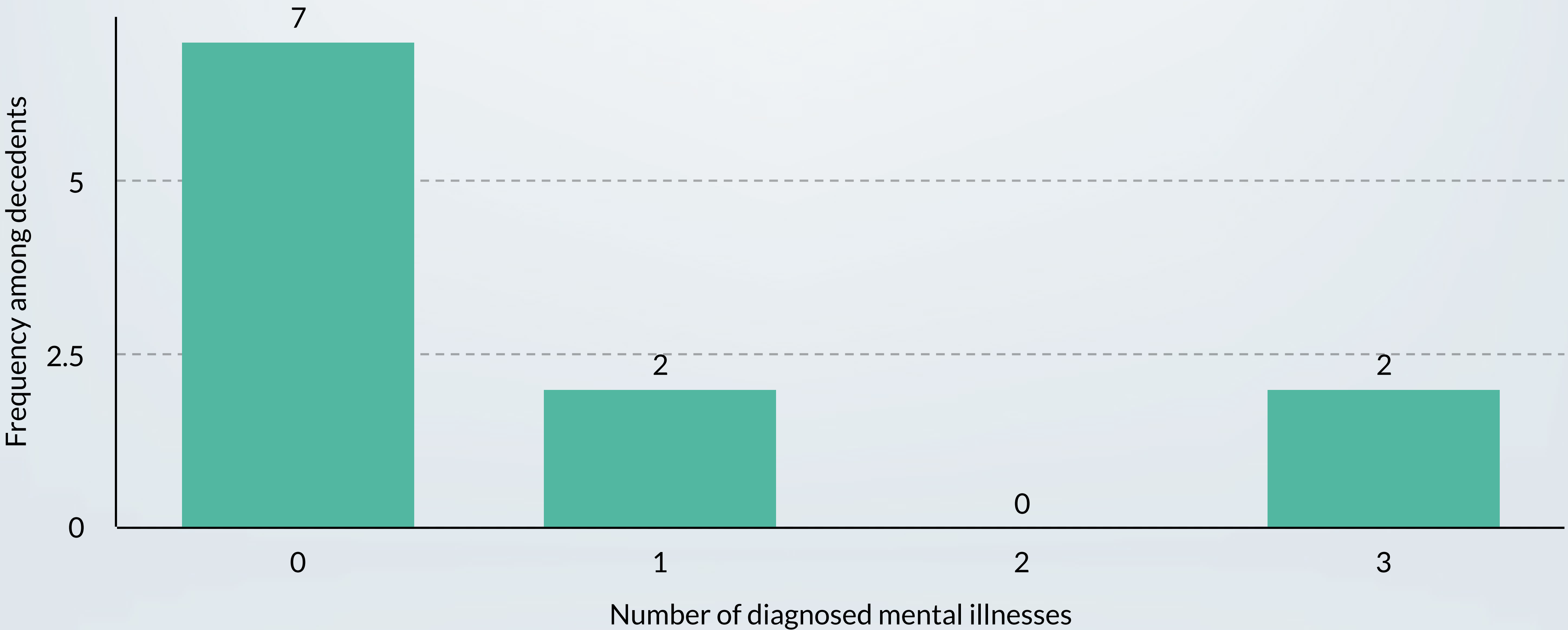
*Decedents may be represented in more than one category. Only mental illnesses with official diagnosis are included.



PERCENTAGE OF DECEDENTS...



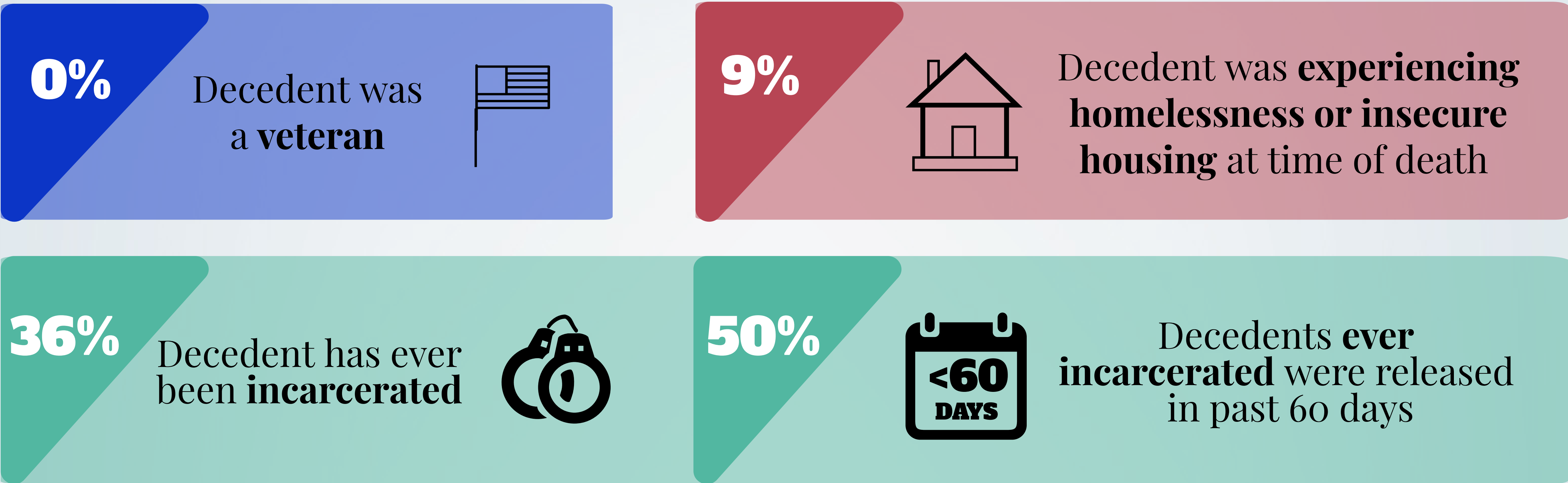
NUMBER DIAGNOSED MENTAL ILLNESSES AMONG DECEDENTS



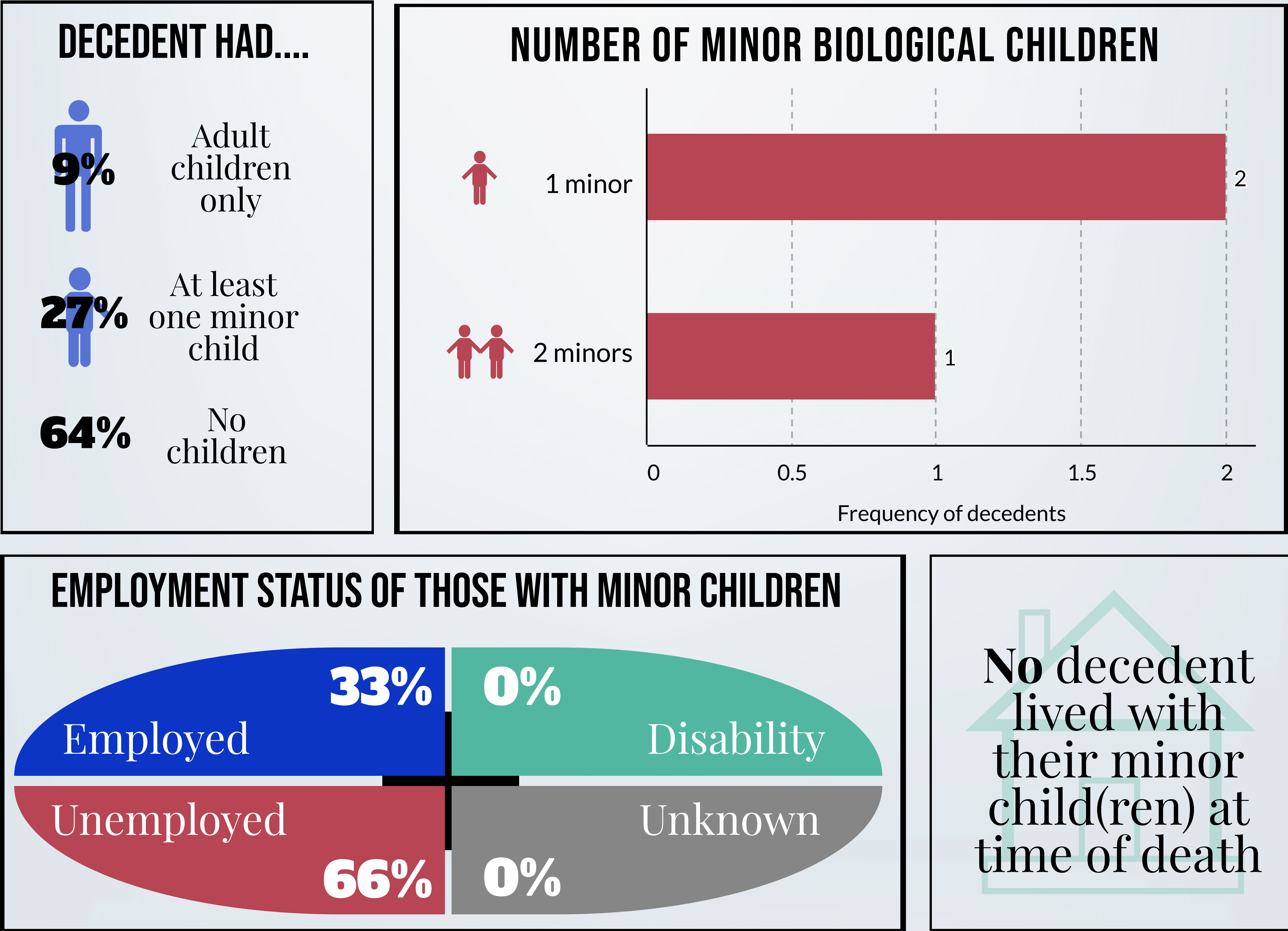
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St. Joseph

Social Factors



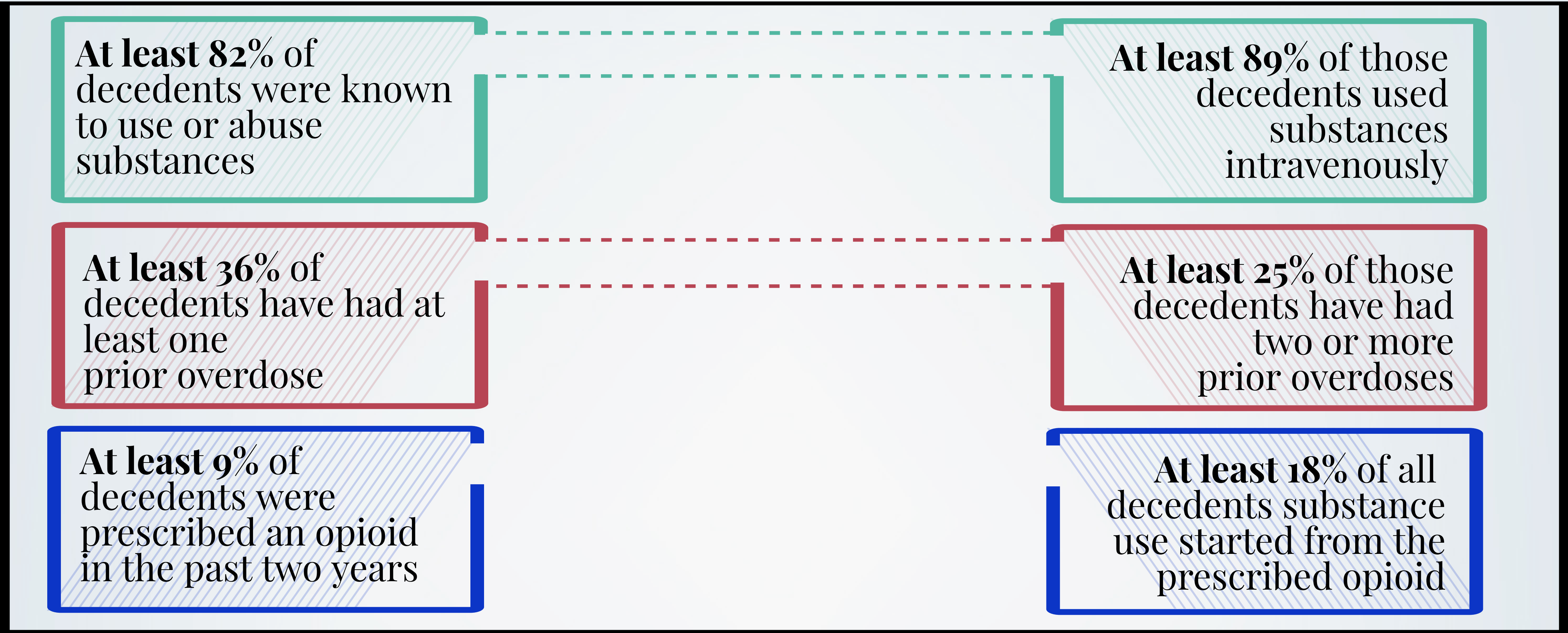
Children



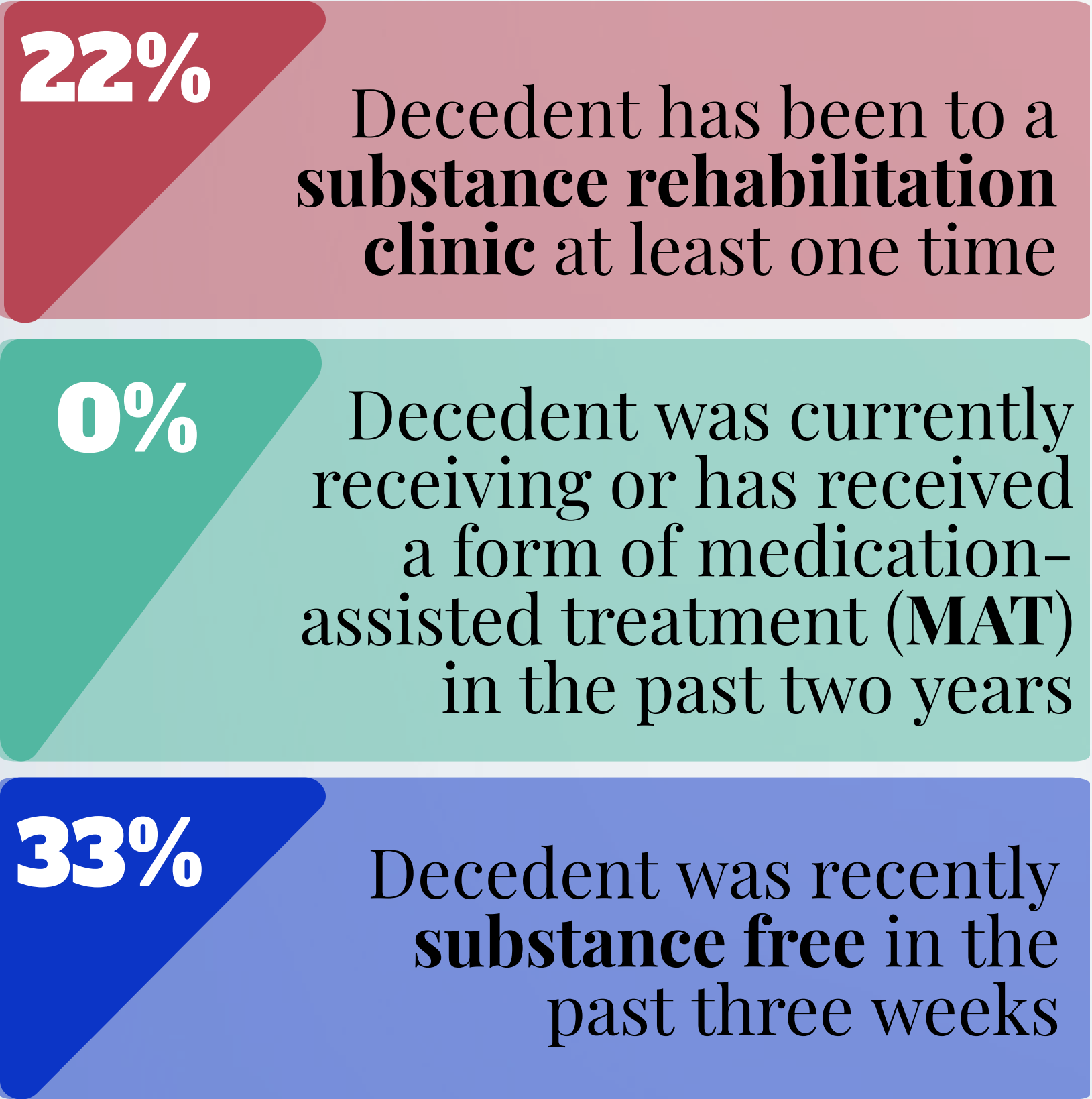
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Substance Use History



RECOVERY HISTORY (N=9*)



SUSPECTED REASONS FOR RELAPSE**

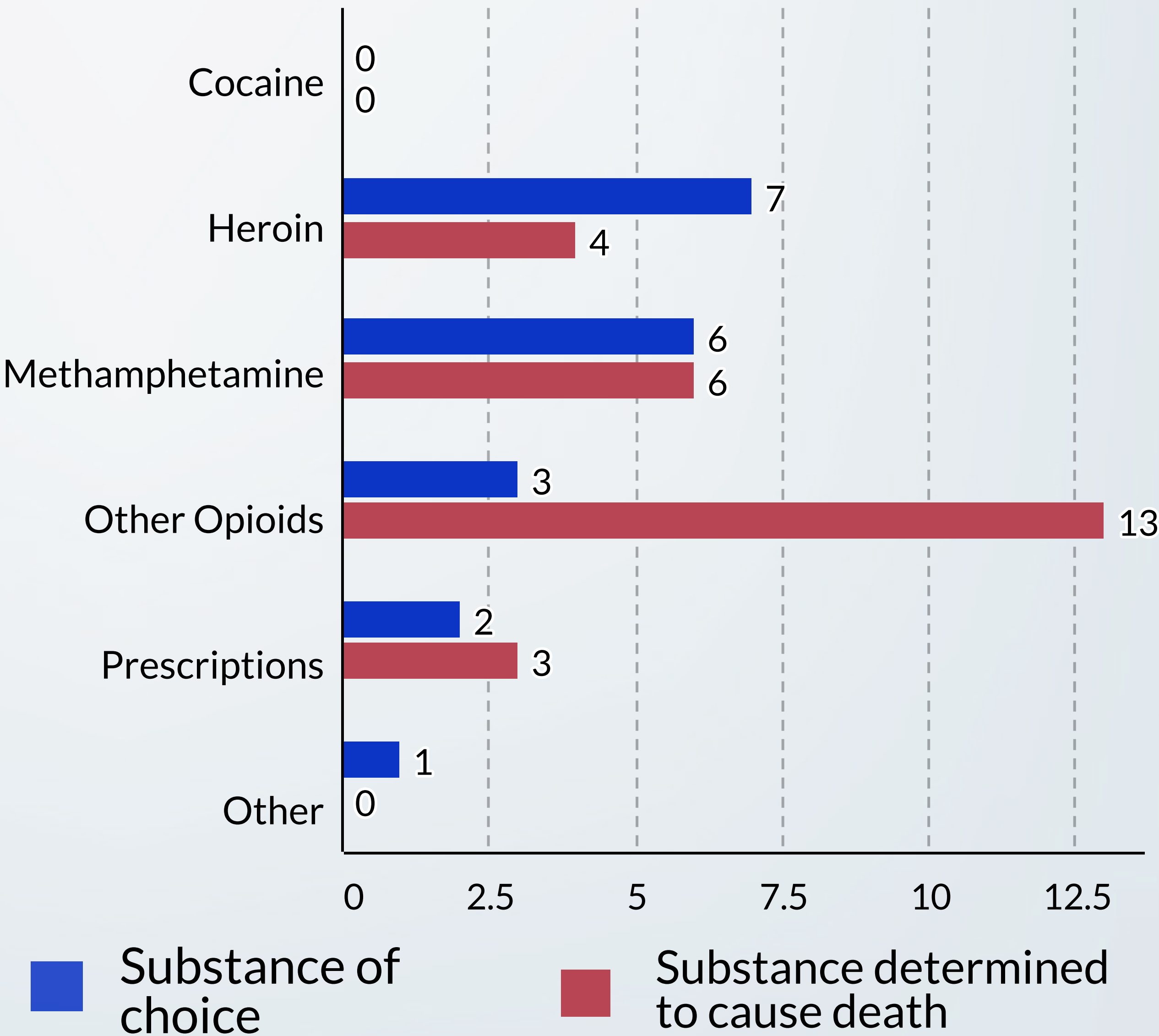


*ONLY decedents known to use substances are included.

**These factors were mentioned by those close to decedent for why they may have begun to use substances again after a few months to years of living substance free.

***Life stress includes fight with a S/O.

DECEDENT'S SUBSTANCE OF CHOICE VS. WHAT WAS DETERMINED TO CAUSE DEATH*



*Decedent may have had more than one substance of choice and in their toxicology.

NOTE: 1 decedent would use any substance available and 2 were not known to use substances.

Prescriptions does not include opioids.

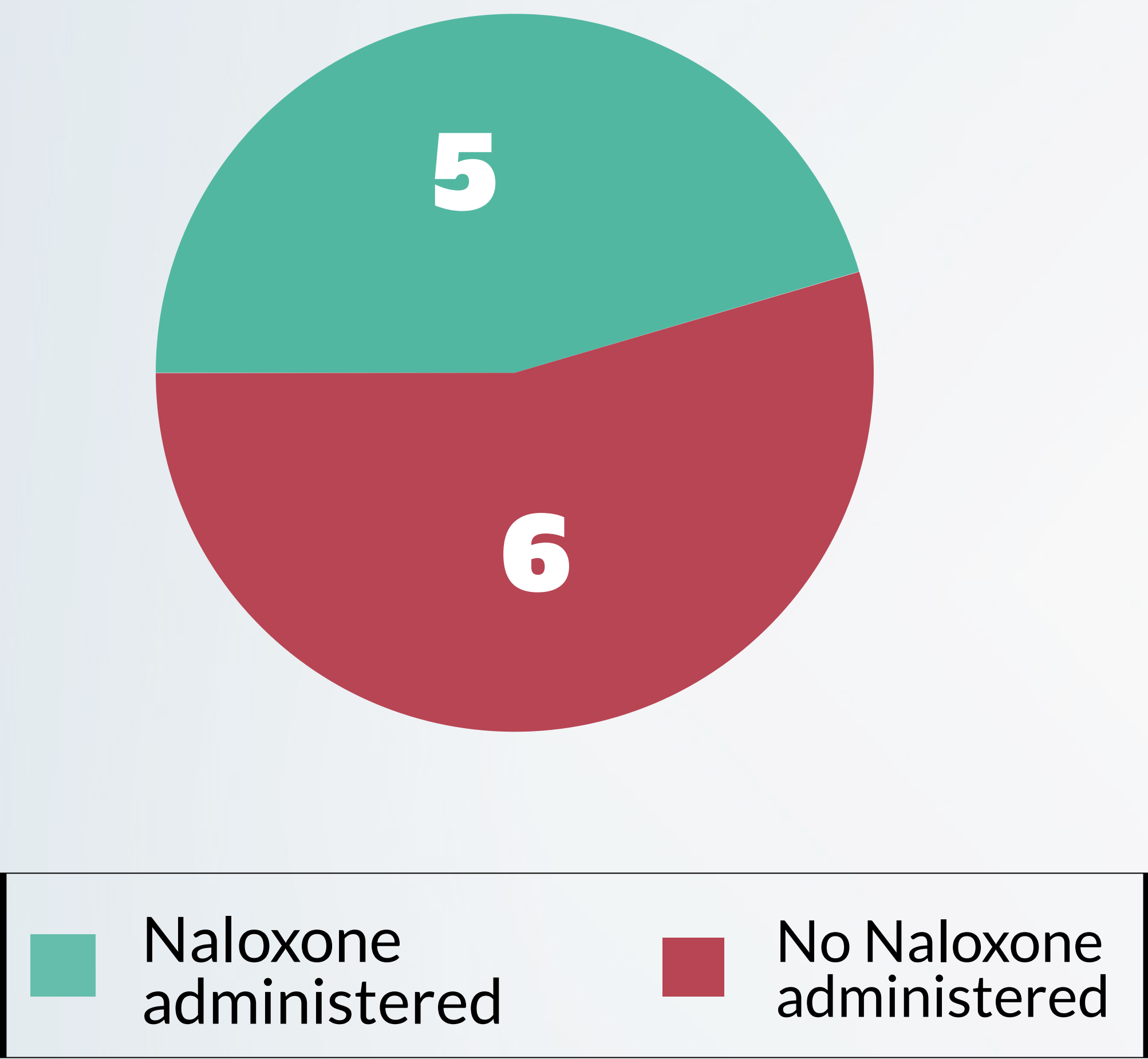
Other includes LSD.

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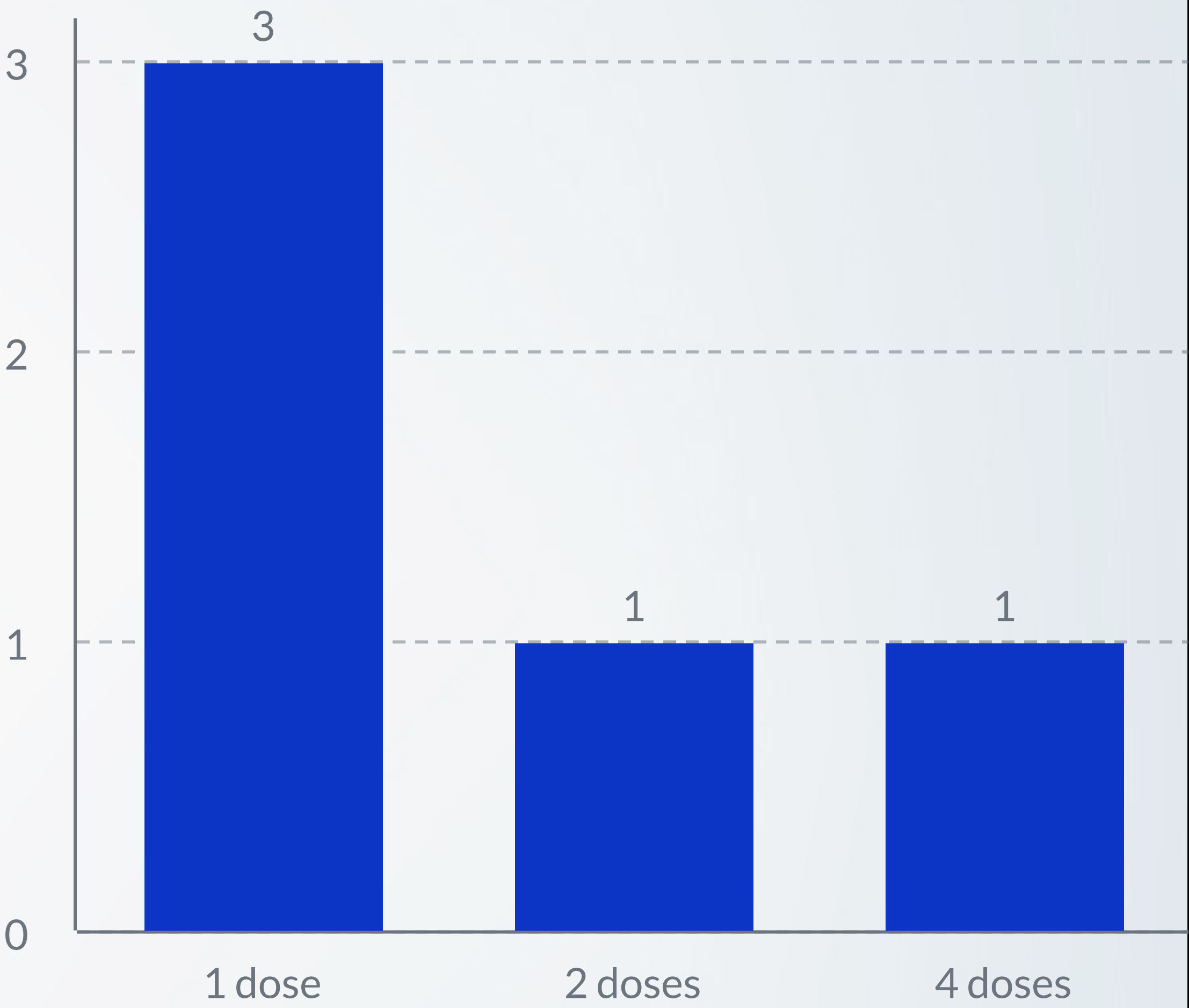
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Naloxone Administration

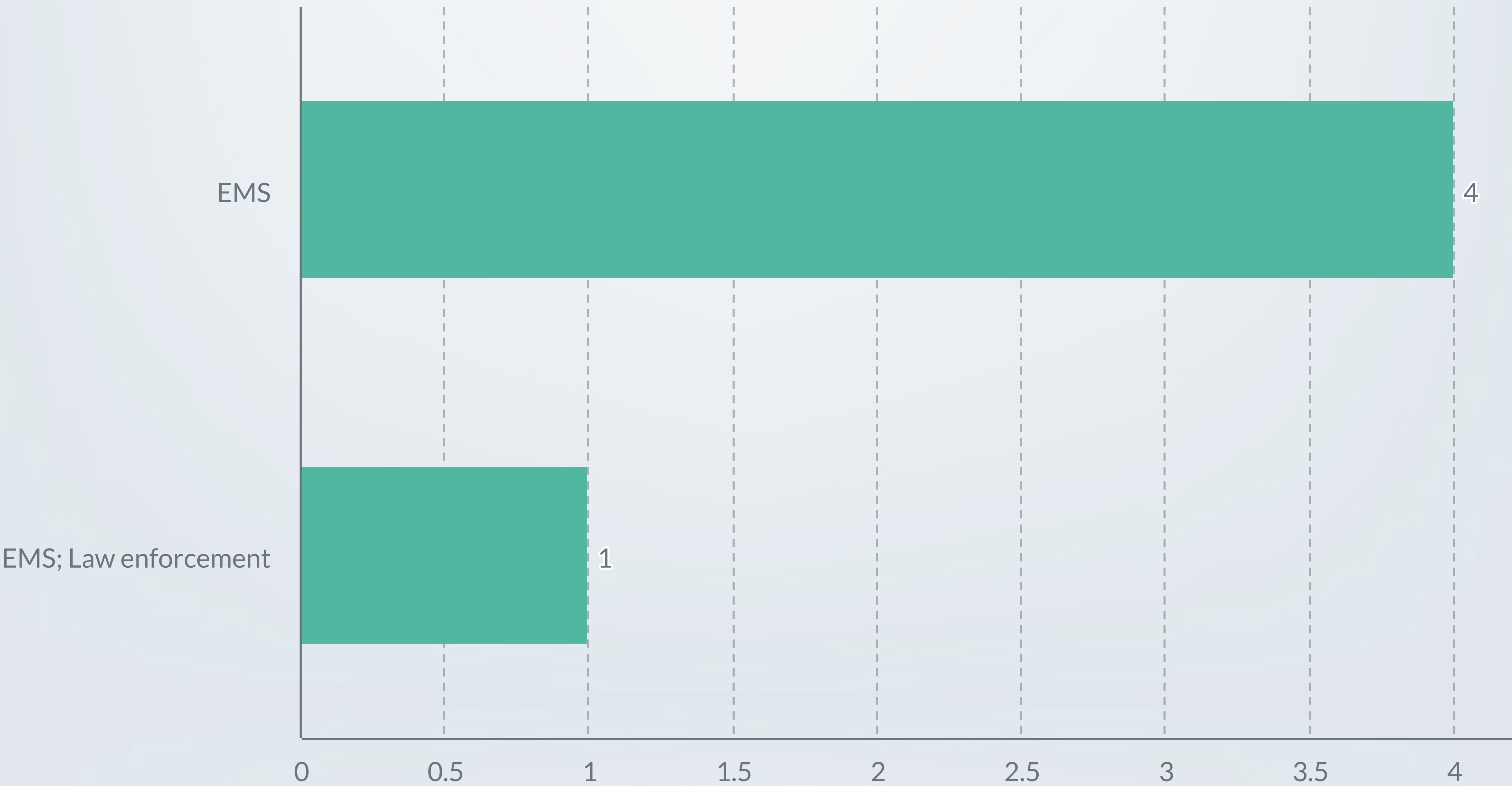
NALOXONE ADMINISTRATION STATUS



HOW MANY DOSES (2 MG) OF NALOXONE WERE ADMINISTERED



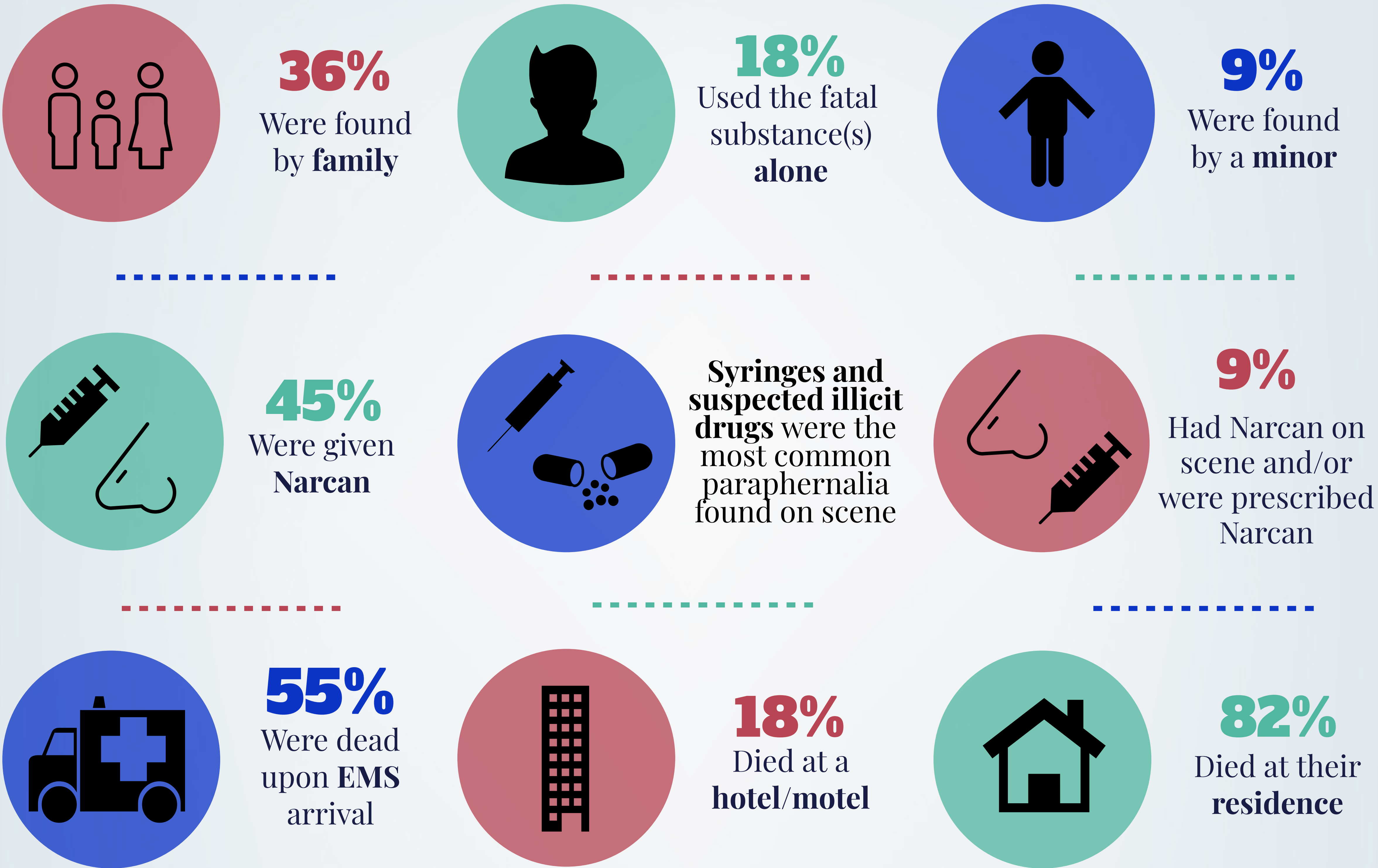
WHO ADMINISTERED NALOXONE?



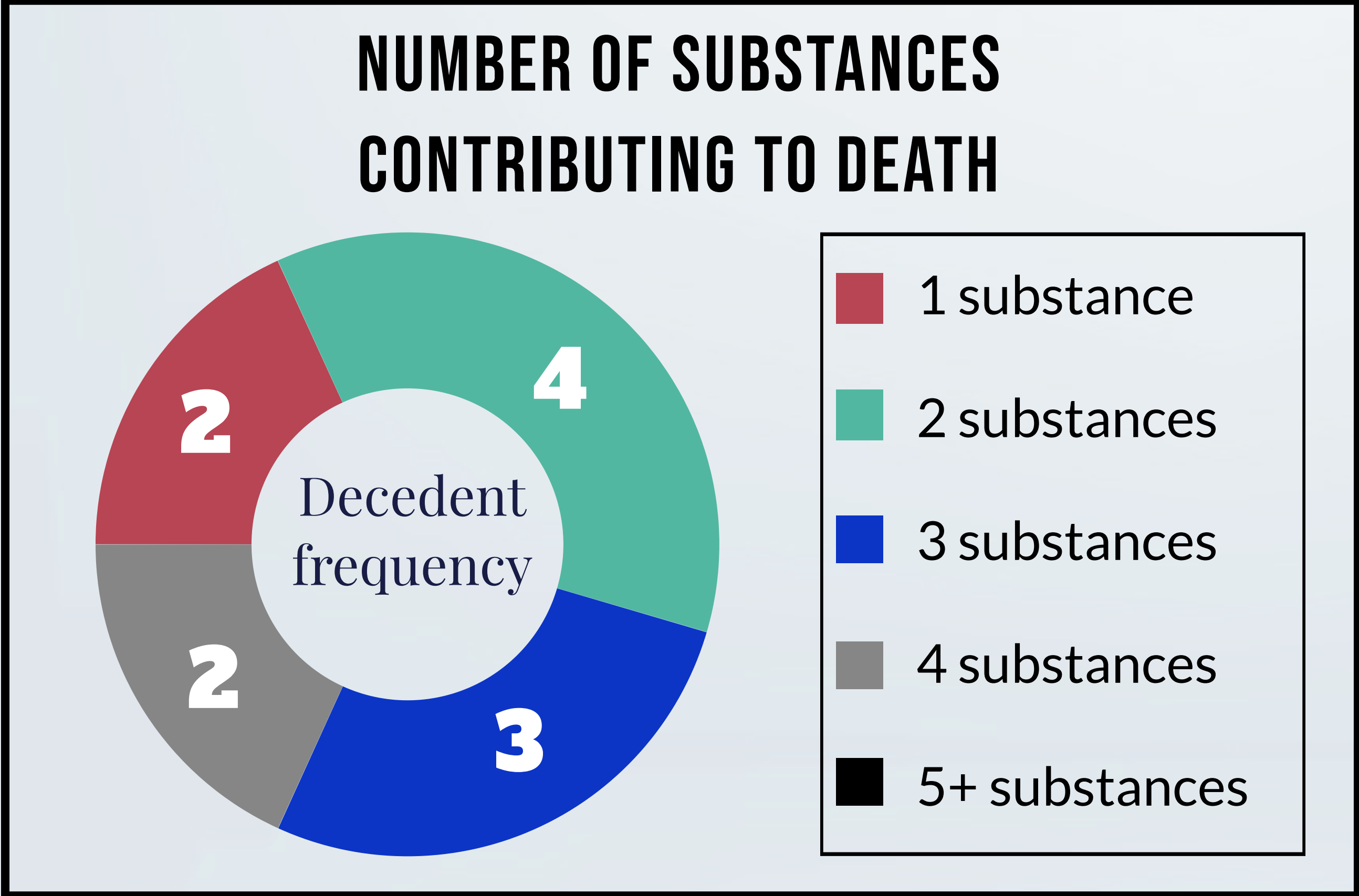
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St. Joseph

Death Scene Findings



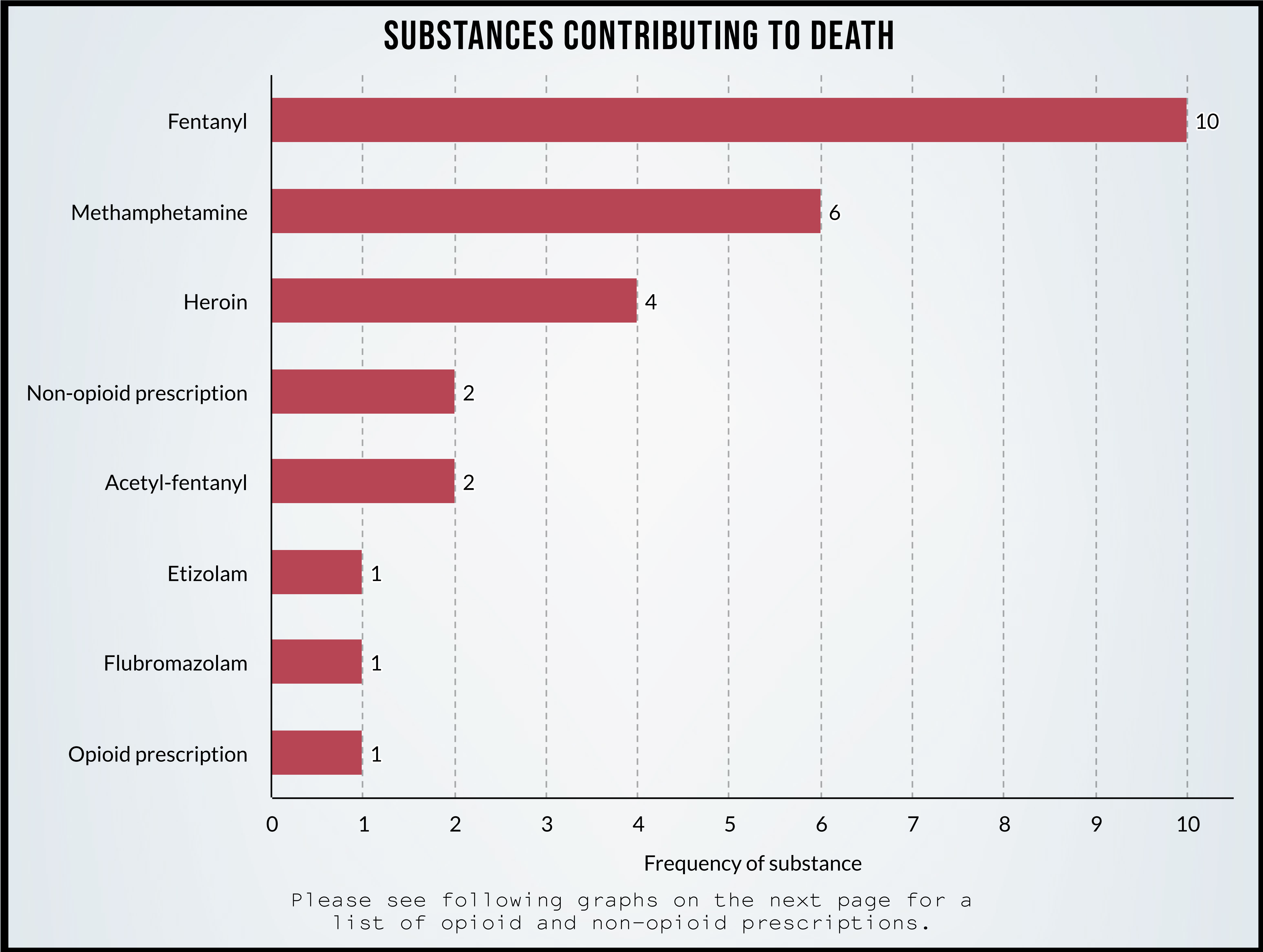
Autopsy and Toxicology Results



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Substance Breakdown



HEROIN & FENTANYL

- 4 decedents had heroin in their toxicology
- All 4 of these decedents also had fentanyl in their toxicology

XYLAZINE & FENTANYL

- 0 decedents had xylazine in their toxicology
- 0 of these decedents also had fentanyl in their toxicology

BENZODIAZEPINES & OPIOIDS

- 3 decedents had a benzodiazepine and an opioid in their toxicology
- 0 decedents were prescribed that opioid and benzodiazepine

METHAMPHETAMINE & OPIOIDS

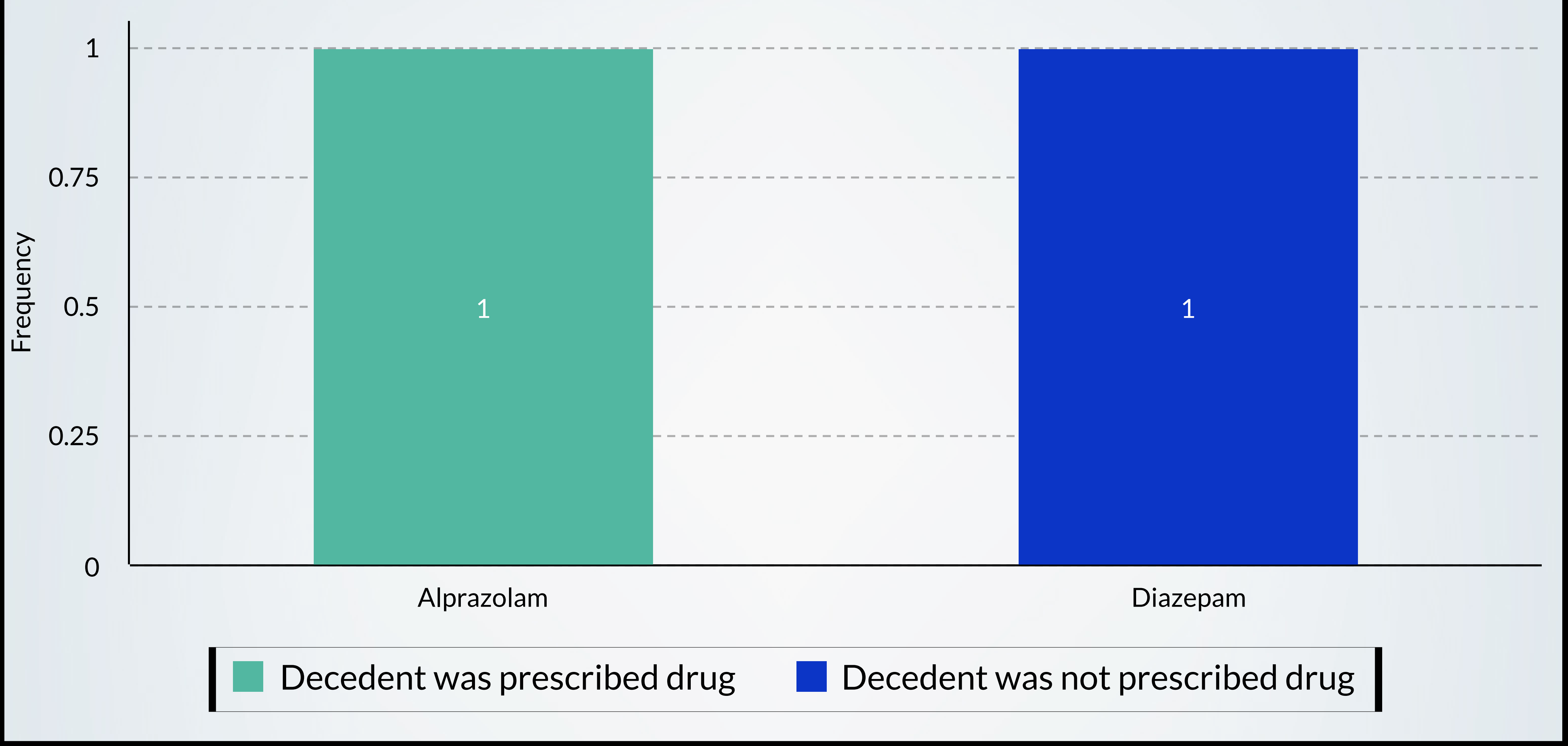
- 6 decedents had methamphetamine and opioid(s) in their toxicology
- 3 decedents had methamphetamine and heroin in their toxicology

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St. Joseph

Autopsy and Toxicology Results, cont.

NON-OPIOID PRESCRIPTIONS PRESENT IN TOXICOLOGY



OPIOID PRESCRIPTIONS PRESENT IN TOXICOLOGY

